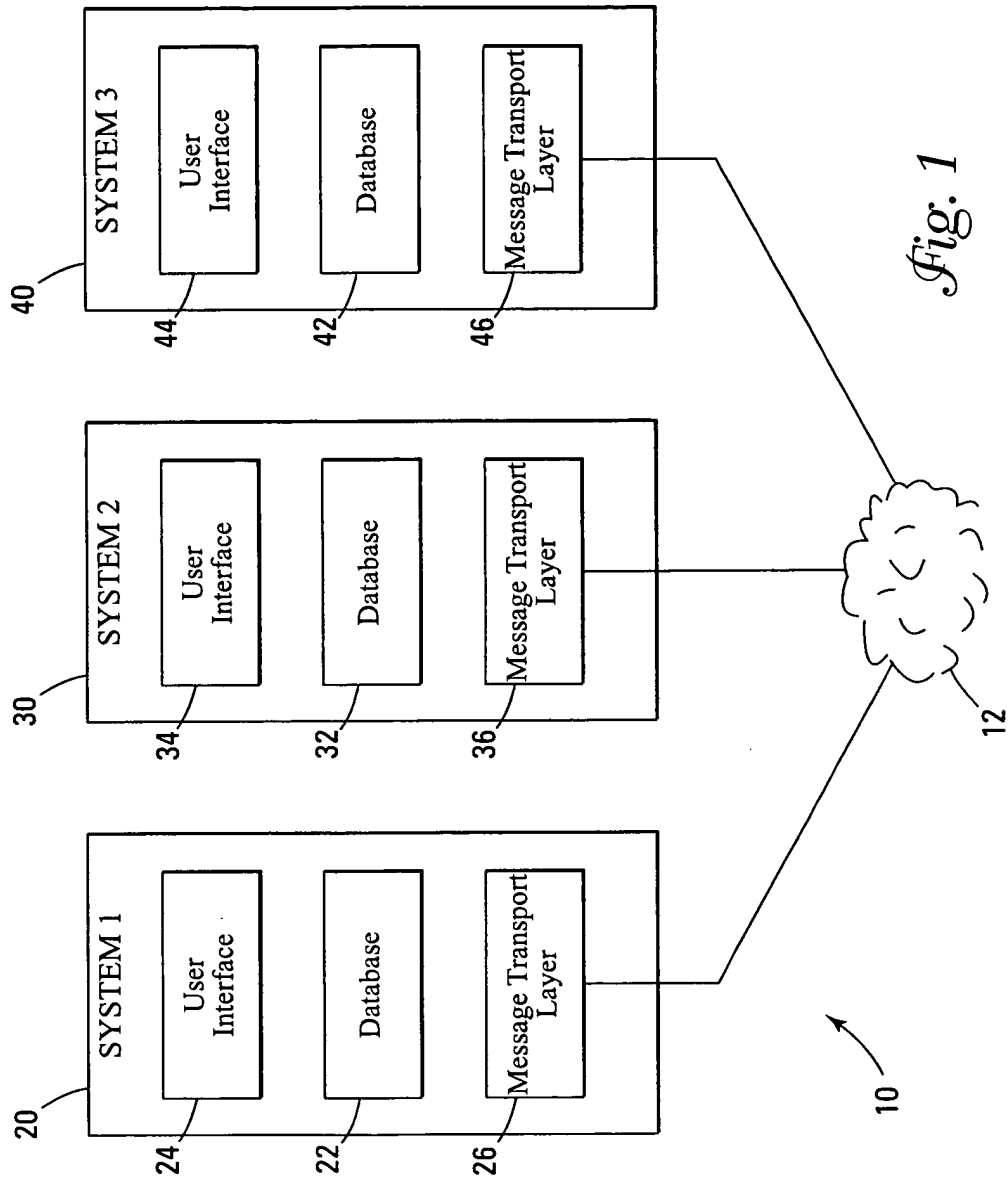


1/5



Applicant(s): Kraft et al.

UPDATING DATA IN A MULTI-SYSTEM NETWORK THAT
UTILIZES ASYNCHRONOUS MESSAGE TRANSFER

2/5

50

Message Protocol

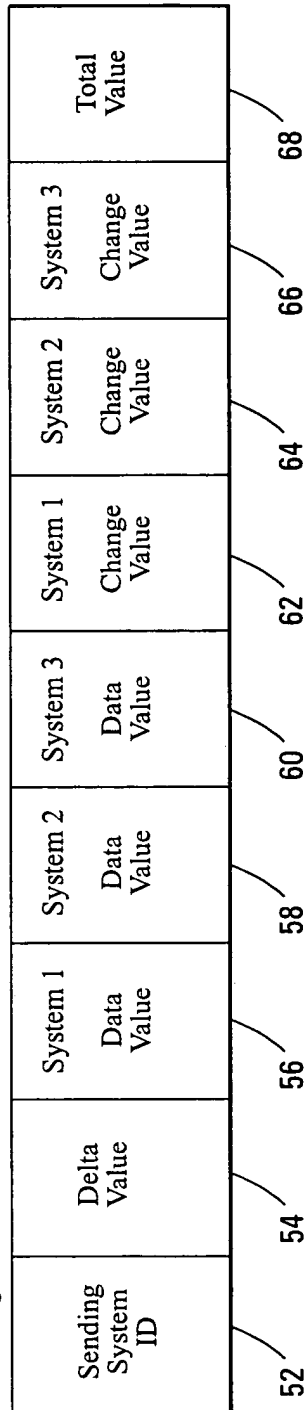
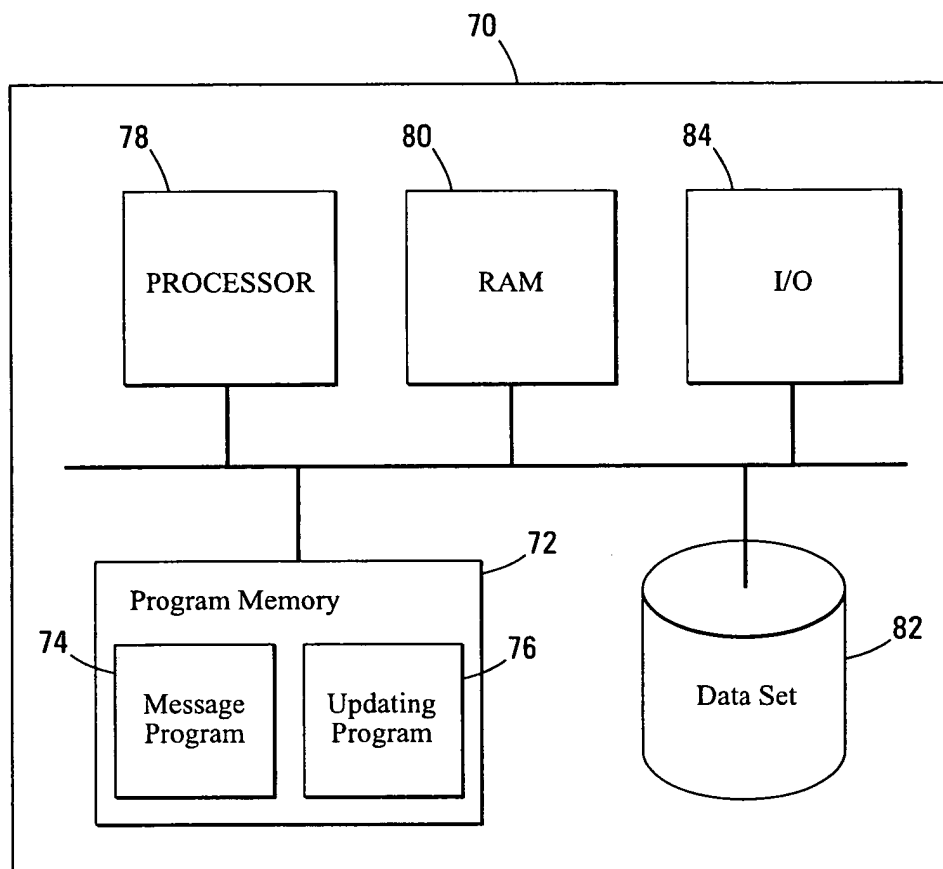


Fig. 2

3/5

*Fig. 3*

4/5

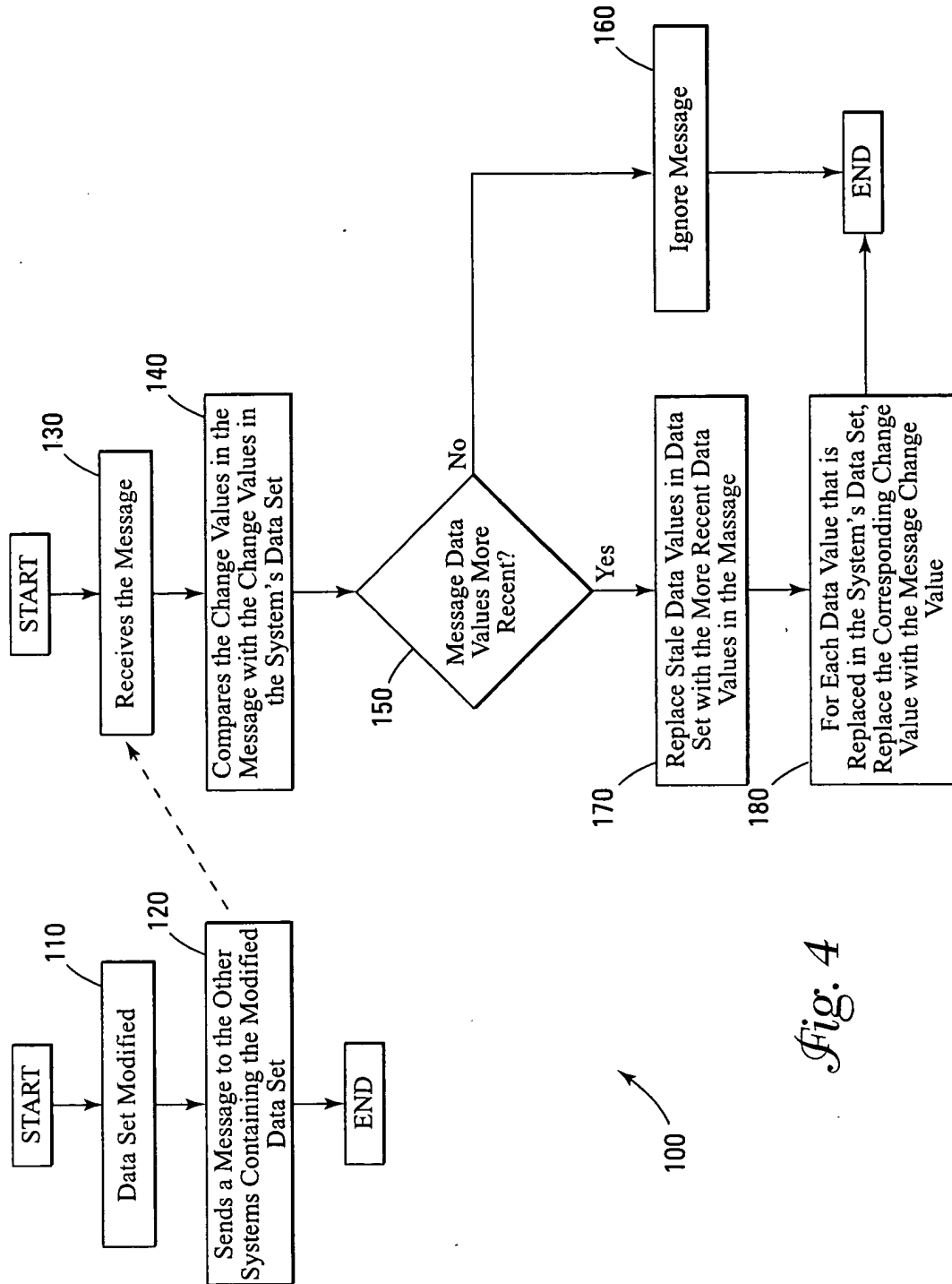


Fig. 4

5/5

Time	System 1	System 2	System 3
0	(0, 0, 0) [0, 0, 0] 0	(0, 0, 0) [0, 0, 0] 0	(0, 0, 0) [0, 0, 0] 0
1	+3 (3, 0, 0) [1, 0, 0] 3		
2	+4 (7, 0, 0) [2, 0, 0] 7		
3		Rec. T2: (7, 0, 0) [2, 0, 0]	
4		Update (7, 0, 0) [2, 0, 0] 7	
5			+2 (0, 0, 2) [0, 0, 1] 2
6		-4 (7, -4, 0) [2, 1, 0] 3	
7			Rec. T6: (7, -4, 0) [2, 1, 0]
8			Update (7, -4, 2) [2, 1, 1] 5
9	Rec. T5 (0, 0, 2) [0, 0, 1]		
10	Update (7, 0, 2) [2, 0, 1] 9		
11			Rec T1 (3, 0, 0) [1, 0, 0]
12			Ignore T1 Message
13	Rec. T6 (7, -4, 0) [2, 1, 0]		
14	Update (7, -4, 2) [2, 1, 1] 5		
15		Rec. T5 (0, 0, 2) [0, 0, 1]	
16		Update (7, -4, 2) [2, 1, 1] 5	
End Status	(7, -4, 2) [2, 1, 1] 5	(7, -4, 2) [2, 1, 1] 5	(7, -4, 2) [2, 1, 1] 5

Fig. 5

200